MULTIMEDIA UNIVERSITY®

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 3, 2017 / 2018

PCA0074 - COMPUTER APPLICATIONS IN BUSINESS

(Foundation in Management)

6th JUNE 2018
9.00 a.m. – 11.00 a.m.
(2 Hours)

INSTRUCTIONS TO STUDENT

1. This question paper consists of 4 pages (excluding cover page) with 5 Questions only.

2. Attempt **ALL** questions. All questions carry equal marks and the distribution of the marks for each question is given.

3. Write your answers in the Answer Booklet.

QUESTION 1 [20 Marks]

a. Computers are digital machines because they are able to distinguish between 2 binary digits are which are 0 and 1. Explain the difference between analog and digital.

(3 marks)

b. The following questions are on processor.

i. State the **TWO (2)** other names a processor in known as.

(2 marks)

ii. Who are the **TWO (2)** main manufacturers of processors?

(2 marks)

iii. How is the speed of a processor measured?

(1 mark)

iv. Is a dual core processor faster than a quad core processor? Discuss.

(4 marks)

v. Why does a processor generate heat?

(2 marks)

c. Cloud storage keeps information on the Internet. List **TWO (2)** examples of cloud storage providers. Explain **TWO (2)** advantages and **TWO (2)** disadvantages of cloud computing.

(6 marks)

QUESTION 2 [20 Marks]

a. Figure 1 shows a standard type of keyboard that is commonly used.

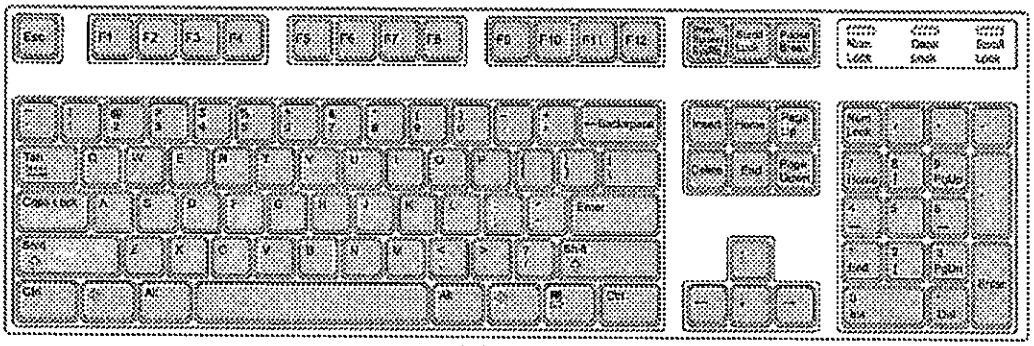

Figure 1

i. What is the name of this keyboard?

(1 mark)

ii. Give **TWO (2)** examples of toggle keys.

(2 marks)

Continued...

iii. Which toggle key on the keyboard is used to obtain all uppercase in word document?

(1 mark)

iv. Give **THREE (3)** examples of modifier keys.

(3 marks)

b. Indicate the letter of choice that best matches the phrase of definition. (How to answer: match the number (phrase) to the letter (definition) E.g: 6 → g).

1. RFID 2. OMR 3. QR Code 4. OCR 5. MICR	a. A device that read text printed with magnetized ink and often used for cheque processing. b. Device that recognizes pencil marks. c. Device that uses radio signals to communicate with a tag placed in or attached to an object. d. Device that recognizes characters. e. Stores information in both a vertical and horizontal direction.

(5 marks)

c. A videoconference is a meeting between two or more geographically separated people. Discuss the **TWO (2)** input devices and **TWO (2)** output devices used for a video conferencing.

(8 marks)

QUESTION 3 [20 Marks]

a. Catherine just bought a printer. The printer came with a cable and a printer driver. She only connected the printer to her computer using the cable. But when tried to print, the printer did not print. She has asked you to determine what could be the problem. Discuss the possible problem and solution.

(6 marks)

Continued...

b. Figure 2 below shows the surface of two hard disks.

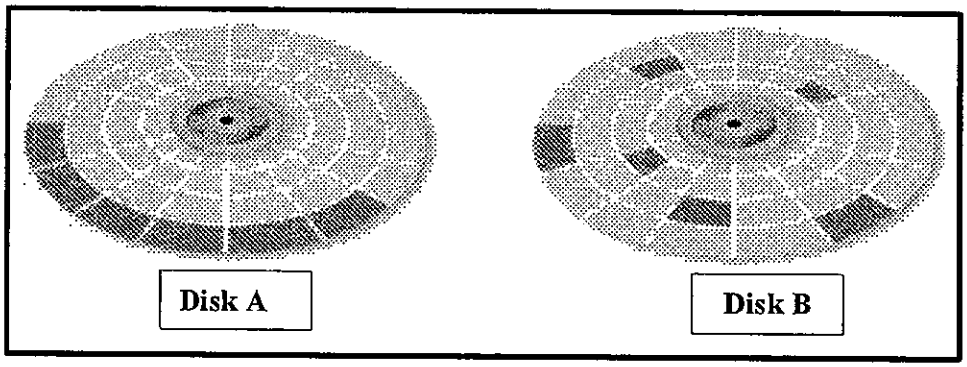

Figure 2

i. Give the definition for fragmentation.

(2 marks)

ii. Give the definition for defragmentation.

(2 marks)

iii. In Figure 2, clearly indicate which disk is fragmented and which disk has been defragmented.

(2 marks)

c. In a workplace, several productivity applications are used to assist employees become more efficient. Briefly discuss the following productivity software.

i. Calendar and contact management software

(2 marks)

ii. Presentation software

(2 marks)

iii. Word processing software

(2 marks)

iv. Accounting software

(2 marks)

QUESTION 4 [20 Marks]

a. Explain what digital communication is. Draw a diagram to illustrate a simple digital communication. Explain each label.

(10 marks)

b. Jessica, a graphic designer intends to create a brochure to promote her new setup company. While designing the brochure, she has to decide on the type of text to use. Advise her on the best type of text to use for her brochure and provide your justification.

(10 marks)

Continued...

QUESTION 5 [20 Marks]

a. Why is backup important?

(2 marks)

b. Give the **SIX (6)** different types of backup.

(6 marks)

c. Computer security risk is any event or action that could cause a loss or damage to computer hardware, software, data, information or processing capability. Explain the **THREE (3)** types of theft in computer security risks.

(9 marks)

d. Takumi is a university student. He recently realised his laptop is not functioning as normal as it normally would. He suspects his laptop is infected with virus. Identify **THREE (3)** symptoms of an infected computer.

(3 marks)

End Of Paper